

Work Order ID 54959

January 5, 2010 10:45:29 AM



Page 1

Item ID: D350-636-107A

Accept



Setup Start



Revision ID:

Stop



Item Name: Fwd Cable Guard Installation

Start Date: 05/01/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 18/01/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan: *M*

Date: *10-1-05*

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

DSI 9457

A

100

0.00



DC

Document Control

Memo

Photocopy bluefile & type labels per PPP D350-636-107A/ DSI9457
CHG001

0.00

Siola/22

HJ CH MF 10/02/22

110

Pick Kit

0.00



Packaging

Packaging

Memo

0.00

10-1-7 (40) S

120

QC4- 100% Inspect kits for completeness

0.00



QC

Quality Control

Memo

0.00

Siola/22

(+4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 54959

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Page 2

Item ID: D350-636-107A

Accept



Setup Start



Revision ID:

Stop



Item Name: Fwd Cable Guard Installation

Start Date: 05/01/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 18/01/2010 Req'd Qty: 4.00



Customer:

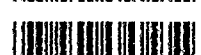
Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D3550-636-107A/ DSI9457								
	Location: _____								
	PPP rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

*Rec'd 2/27 (4)**10/03/02 H**10-2-26 (4)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

January 5, 2010 10:45:34 AM

Page 1

Work Order ID: 54959

Parent Item: D350-636-107A

Parent Item Name: Fwd Cable Guard Installation

Start Date: 05/01/2010

Required Date: 18/01/2010

Comments:

Start Qty: 4.00

Required Qty: 4.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remainin Qty To Pick	Qty Issued	Date Issued	Status
D3927-1 Guard		Manufactured	No			110	Each	4.0000	4.0000		10-1-7	SL

Warehouse
Location
Main Warehouse

Loc Qty

Loc Code

ST

4

52296

4

D3928-1

Manufactured

No

110

Each

4.0000

8.0000

Bracket

Warehouse
Location
Main Warehouse

Loc Qty

Loc Code

ST139A

4

51693

4

AN4-14A

Purchased

No

110

Each

471.0000

8.0000

Bolt

Warehouse
Location
Main Warehouse

Loc Qty

Loc Code

ST

471

113359

471

B550336x Pwd/22

2

10-1-7 SL 40

8

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Picklist Print

January 5, 2010 10:45:34 AM

Work Order ID: 54959

Parent Item: D350-636-107A

Parent Item Name: Fwd Cable Guard Installation

Comments:

Start Date: 05/01/2010

Required Date: 18/01/2010

Start Qty: 4.00

Required Qty: 4.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pic	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------------------	---------------	----------------	--------

MS21042L4 x2 Purchased

No

110

Each

4,161.000

8.0000

10-1-7

SP

Nut

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

4161

102552

6

104248

6

110507

184

111827

2965

113422

1000

15924

0

NAS1149D0463J x4

Purchased

No

110

Each

2,742.000

16.0000

10-1-7

40 SP

Washer

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

2742

110914

16

113288

1726

113524

1000

16

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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NOTE: Date & initial all entries

SHOP COPY
RETURN TO
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WITHOUT NOTICE
WORK ORDER
NO. 54959

110-1-05

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IN D350-636 REV. F OR EARLIER

REF. FAA STC: SR00846SE

REF. TCCA STC: SH98-7

REF. CAA AIRWORTHINESS APPROVAL NOTE: 28081, 28082

The D350-636-107 Cable Guard kit may be installed on D350-636-011/-013 Skidtube installations during hoisting operations to prevent damage to the cable and skidtube. The D350-636-107 Cable Guard Kit consists of the D350-636-107A Forward Cable Guard and the D350-636-107B Aft Cable Guard Kits. The D350-636-107A/-107B kits may be installed separately or in combination. See Figure 1 Sheet 2 for details.

The D350-636-107A Fwd Cable Guard Kit may be installed as follows:

- 1) Remove the forward 2x 350A41-1027-20 bolts (with OEM crosstubes installed) or 2x AN4-41A bolts and D3501-1 bushings (with Dart crosstubes installed) holding the forward LH saddle in place.
- 2) Insert the bolts or bolts and bushings through the holes provided in the D3928-1 bracket and reinstall per Aircraft Maintenance Manual or relevant STC.
- 3) Remove the aft 2x 350A41-1027-20 bolts (with OEM crosstubes installed) or 2x AN4-41A bolts and D3501-1 bushings (with Dart crosstubes installed) holding the forward LH saddle in place.
- 4) Insert the bolts or bolts and bushings through the holes provided in the D3928-1 bracket and reinstall per Aircraft Maintenance Manual or relevant STC.
- 5) Position the D3927-1 forward cable guard between the tangs of the D3928-1 bracket centered over the crosstube saddle and against the skidtube. Transfer drill 2x $\varnothing 0.257$ holes from the D3928-1 bracket to the D3927-1 forward cable guard. Remove D3927-1 forward cable guard and deburr holes.
- 6) Install the D3927-1 forward cable guard into the brackets using the hardware as shown in Figure 2 Sheet 3.

The D350-636-107B Aft cable guard kit may be installed as follows:

- 1) Slide the D3927-3 aft cable guard over the outboard ground handling lugs on the LH skidtube.
- 2) Insert the BLBS-020 pin pin into the hole at the aft end of the D3927-3 cable guard to secure it in place. See Figure 3 Sheet 4 for details.

WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D350-636-107 Cable Guard Kit	1.80 lb 0.82 kg	42.79 in 1.09 m	77.02 in-lb 0.89 m-kG	112.97 in 2.87 m	203.35 in-lb 2.35 m-kG
D350-636-107A Fwd Cable Guard	0.95 lb 0.43 kg	42.89 in 1.09 m	40.75 in-lb 0.47 m-kG	106.29 in 2.70 m	100.98 in-lb 1.16 m-kG
D350-636-107B Aft Cable Guard	0.85 lb 0.39 kg	42.19 in 1.07 m	35.86 in-lb 0.42 m-kG	137.48 in 3.49 m	116.86 in-lb 1.36 m-kG

A	NEW ISSUE	09.04.01
REV.	DESCRIPTION	BY DATE
DESIGN	PH	DART AEROSPACE USA, INC. PORT HADLOCK, WA
DRAWN	PH	
CHECKED	PH	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9457 SHEET 1 OF 4
APPROVED	PH	TITLE SCALE
DE APPR.	PH	CABLE GUARD KITS NTS
DATE	09.04.01	COPYRIGHT © 2009 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

PARTS LIST

QTY. -107	QTY. -107A	QTY. -107B	PART NUMBER	DESCRIPTION
X			D350-636-107	CABLE GUARD KIT
1	X		D350-636-107A	FORWARD CABLE GUARD KIT
1		X	D350-636-107B	AFT CABLE GUARD KIT
	1		D3927-1	FORWARD CABLE GUARD
		1	D3927-3	AFT CABLE GUARD
	2		D3928-1	BRACKET
	2		AN4-14A	BOLT
		1	BLBS-020	PIP PIN
	2		MS21042L4	NUT
	4		NAS1149D0463J	WASHER

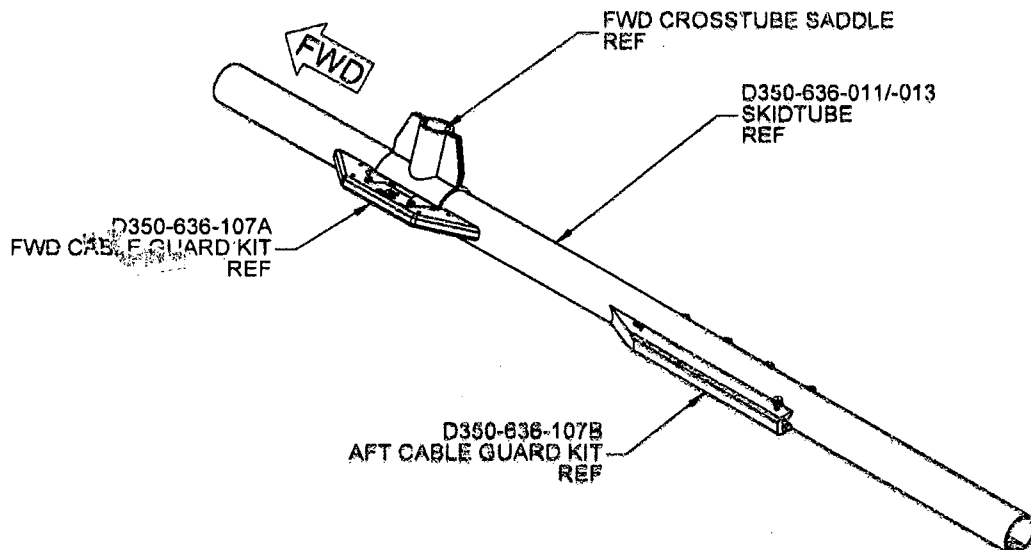


FIGURE 1: D350-636-107 CABLE GUARD KIT

w/0 54959

DESIGN	<i>PH</i>	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	<i>PH</i>		
CHECKED	<i>PH</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 2 OF 4
APPROVED	<i>PH</i>	TITLE	SCALE
DE APPR.	<i>PH</i>	CABLE GUARD KITS	NTS
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

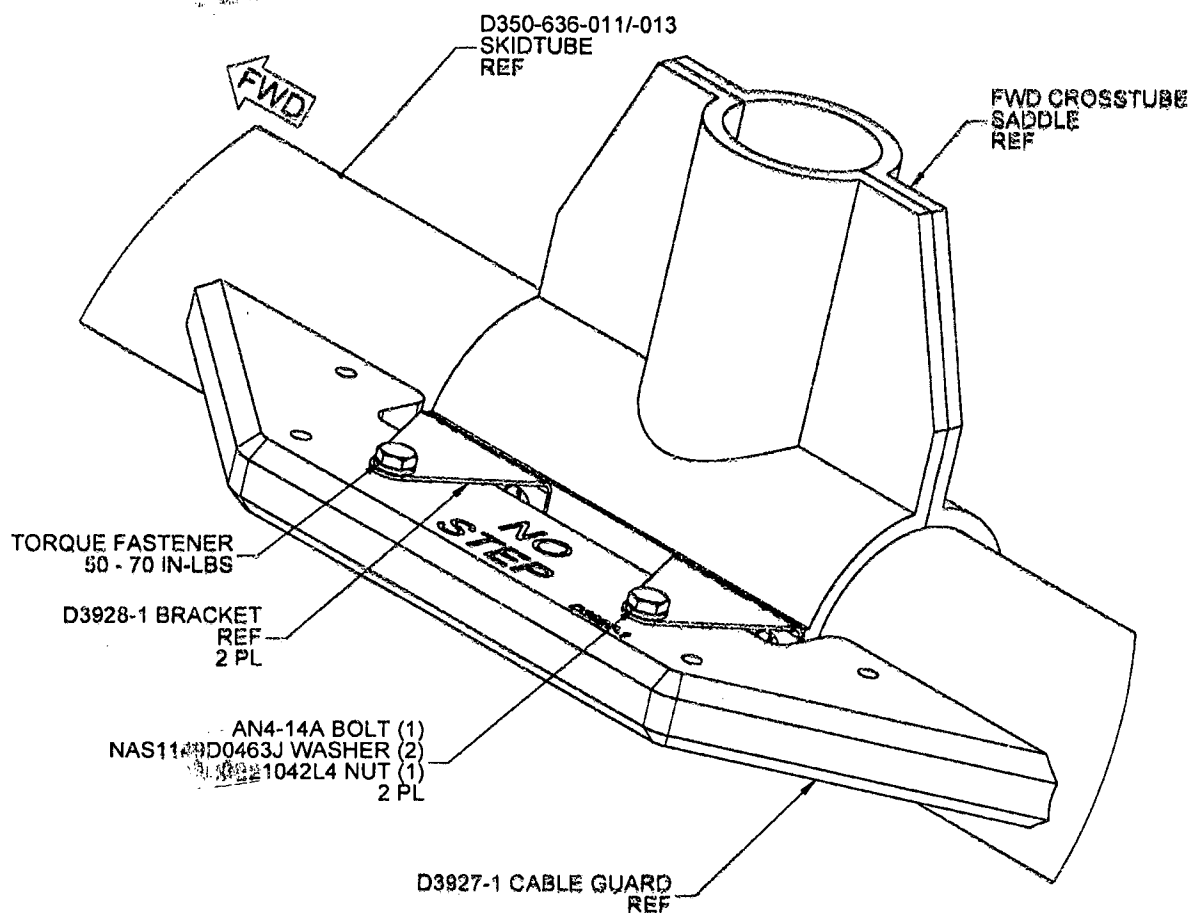


FIGURE 2: D350-636-107A FWD CABLE GUARD KIT
ATTACH BOLTS NOT SHOWN FOR CLARITY

W/0 54959

DESIGN	<i>BE</i>	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	<i>BE</i>		
CHECKED	<i>PH</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 3 OF 4
APPROVED	<i>NO</i>	TITLE	SCALE
DE APPR.	<i>TH</i>	CABLE GUARD KITS	NTS
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

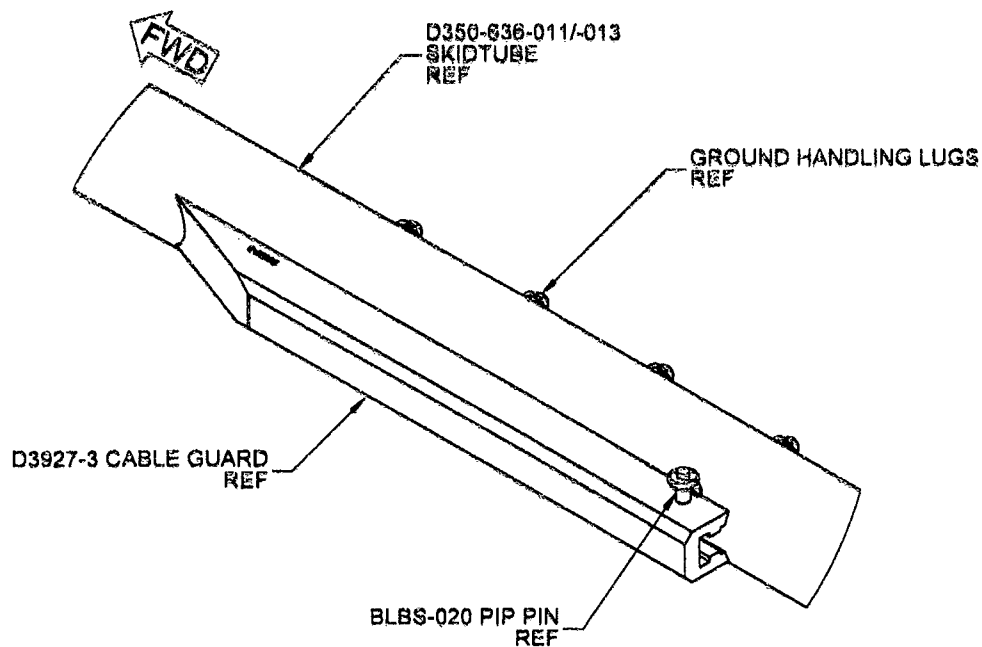


FIGURE 3: D350-636-107B AFT CABLE GUARD KIT

NOTE:
IT IS NECESSARY TO REMOVE THE D3927-3 CABLE GUARD IN ORDER TO MOVE
THE AIRCRAFT ON THE GROUND USING THE GROUND HANDLING LUGS

W10 54959

DESIGN	<i>AE</i>	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	<i>AE</i>		
CHECKED	<i>PH</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 4 OF 4
APPROVED	<i>AP</i>	TITLE	SCALE
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NOTE: Date & initial all entries

REFERENCE ONLY

PARTS LIST

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X			D350-636-107	CABLE GUARD KIT
1	X		D350-636-107A	FORWARD CABLE GUARD KIT
1		X	D350-636-107B	AFT CABLE GUARD KIT
	1		D3927-1	FORWARD CABLE GUARD
		1	D3927-3	AFT CABLE GUARD
	2		D3928-1	BRACKET
	2		AN4-14A	BOLT
		1	BLBS-020	PIP PIN
	2		MS21042L4	NUT
	4		NAS1149D0463J	WASHER

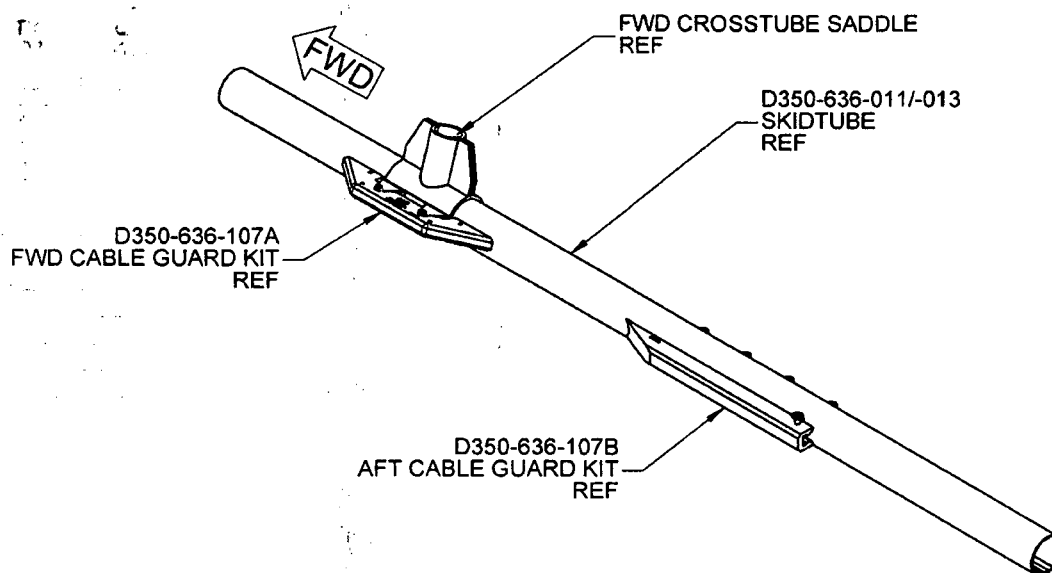


FIGURE 1: D350-636-107 CABLE GUARD KIT

DESIGN	<i>DS</i>	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	<i>DS</i>		
CHECKED	<i>PH</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 2 OF 4
APPROVED	<i>149</i>	TITLE	SCALE
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